

# Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<b>INDIANA, Northeast</b>									
<b>St. Joseph County</b> <b>South Bend</b>	<b>11</b>	<b>0115EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Large trees down blocking road						
<b>La Porte County</b> <b>La Porte</b>	<b>11</b>	<b>0135EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Large trees uprooted in La Porte						
<b>La Porte County</b> <b>Westville</b>	<b>11</b>	<b>0140EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>		<b>Thunderstorm Wind</b>
			Large tree fell on vehicle, intersection of Plain and Washington. Road closed much of day.						
<b>La Porte County</b> <b>La Porte</b>	<b>12</b>	<b>0030EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>		<b>Thunderstorm Wind</b>
			Large tree crushed a garage and 1991 Cadillac Seville parked inside.						
<b>La Porte County</b> <b>La Porte</b>	<b>12</b>	<b>0030EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>		<b>Thunderstorm Wind</b>
			Back end of 1987 Toyota damaged by large tree branch.						
<b>La Porte County</b> <b>Michigan City</b>	<b>12</b>	<b>0030EST</b>			<b>0</b>	<b>1</b>	<b>15K</b>		<b>Thunderstorm Wind</b>
			Trees fell on 3 houses causing damage. Girl sleeping in one of the homes suffered broken arm when tree fell into bedroom.						
<b>La Porte County</b> <b>Michigan City</b>	<b>12</b>	<b>0030EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind (G52)</b>
			Trees down in Michigan City. Ham reports 60 MPH gust.						
<b>La Porte County</b> <b>La Porte Arpt</b>	<b>12</b>	<b>0040EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind (G54)<sup>M</sup></b>
<b>La Porte County</b> <b>Wanatah</b>	<b>12</b>	<b>0040EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>		<b>Thunderstorm Wind</b>
			150 FT field irrigation system blown from field north side of U.S. 30 across highway.						
<b>St. Joseph County</b> <b>South Bend</b>	<b>12</b>	<b>0056EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees and power lines down in South Bend.						
<b>Marshall County</b> <b>Plymouth</b>	<b>12</b>	<b>0120EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>		<b>Thunderstorm Wind</b>
			Large tree fell near home, knocked down two NIPSCO power poles.						
<b>Starke County</b> <b>3 W North Judson</b>	<b>12</b>	<b>0125EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees down.						
<b>Starke County</b> <b>North Judson</b>	<b>12</b>	<b>0125EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Power lines down in North Judson.						
<b>Kosciusko County</b> <b>4 NNE North Webster</b>	<b>12</b>	<b>0130EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind (G60)<sup>M</sup></b>
			60 mph wind gust measured by Off-Duty NWS employee.						
<b>Elkhart County</b> <b>1 SW Elkhart</b>	<b>12</b>	<b>0135EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees down						
<b>Marshall County</b> <b>Countywide</b>	<b>12</b>	<b>0135EST</b> <b>0145EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>		<b>Thunderstorm Wind</b>
			Several trees, power lines and power poles down across the county.						

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<b>INDIANA, Northeast</b>									
<b>Elkhart County</b> 2 SW Waterford Mills	12	0138EST			0	0	1.5K		Thunderstorm Wind
									Tree down on car.
<b>Elkhart County</b> Goshen	12	0140EST			0	0	10K		Thunderstorm Wind
									Five utility poles snapped, numerous car windows broken by fallen tree limbs, Ford Pinto crushed by tree.
<b>Fulton County</b> Countywide	12	0140EST 0145EST			0	0	0		Thunderstorm Wind
									Trees and power lines down especially in eastern part of county.
<b>Pulaski County</b> Winamac	12	0140EST			0	0	0		Thunderstorm Wind
									Trees and power lines down. Reported by COOP Observer.
<b>Kosciusko County</b> 1 NE North Webster	12	0145EST			0	0	0		Thunderstorm Wind
									Large tree branches down.
<b>Kosciusko County</b> 3 WSW North Webster	12	0145EST			0	0	5K		Thunderstorm Wind
									Large tree limb down on house.
<b>Lagrange County</b> Countywide	12	0145EST 0155EST			0	0	0		Thunderstorm Wind
									Trees and power lines down scattered throughout the county.
<b>Noble County</b> Ligonier	12	0145EST			0	0	15K		Thunderstorm Wind
									Utility poles and large trees down. Minor damage to several homes, uprooted trees destroyed some sidewalks.
<b>Kosciusko County</b> 2 SW North Webster	12	0146EST			0	0	3K		Thunderstorm Wind
									Several large trees down and boat piers blown onshore in Mead Park.
<b>Kosciusko County</b> North Webster	12	0147EST			0	0	20K		Thunderstorm Wind
									Large tree down crushed side of small house.
<b>Steuben County</b> Orland	12	0155EST			0	0	0		Thunderstorm Wind
									Trees and power lines down.
<b>Noble County</b> Albion	12	0200EST			0	0			Thunderstorm Wind (G61)
									Trees down.
<b>Noble County</b> Kendallville	12	0200EST			0	0	0		Thunderstorm Wind
									Trees snapped and uprooted.
<b>De Kalb County</b> 1 N Garrett	12	0203EST			0	0	5K		Thunderstorm Wind
									Mobile home blown off foundation. Roof damage to some homes.
<b>De Kalb County</b> Butler	12	0205EST			0	0	0.75K		Thunderstorm Wind
									Roof blown off porch of house.

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<b>INDIANA, Northeast</b>									
<b>Whitley County</b>									
Tri Lakes	12	0205EST			0	0	0.50K		Thunderstorm Wind
									Large limbs down on car.
<b>Cass County</b>									
Countywide	12	0210EST 0220EST			0	0	0		Thunderstorm Wind
									Numerous trees down especially in northern and central part of county.
<b>Steuben County</b>									
Countywide	12	0210EST 0220EST			0	0	0		Thunderstorm Wind
									Trees down across the county.
<b>Wabash County</b>									
Countywide	12	0210EST 0220EST			0	0	0		Thunderstorm Wind
									Trees and power lines down especially in northern part of county.
<b>White County</b>									
Monticello	12	0210EST			0	0	0		Thunderstorm Wind
									Trees down
<b>Allen County</b>									
Countywide	12	0215EST 0245EST			0	0	0		Thunderstorm Wind
									Widespread trees and power lines down across the county.
<b>Steuben County</b>									
2 SW Angola	12	0215EST			0	0	1K		Thunderstorm Wind
									Older barn flattened and windows broken out of home on Golden Lake.
<b>Huntington County</b>									
Roanoke	12	0220EST			0	0	0		Thunderstorm Wind
									Power lines down
<b>White County</b>									
Chalmers	12	0220EST			0	0	0		Thunderstorm Wind
									Large limbs down.
<b>Miami County</b>									
4 W Peru	12	0230EST			0	0	3K		Thunderstorm Wind
									Large tree and telephone poles down.
<b>Wells County</b>									
Ossian	12	0230EST			0	0	0		Thunderstorm Wind
									Large tree limbs down.
<b>Wells County</b>									
1 SE Bluffton	12	0245EST			0	0	0		Thunderstorm Wind
									Power line down
<b>Wells County</b>									
1 SW Bluffton	12	0245EST			0	0	0		Thunderstorm Wind
									Tree down
<b>Grant County</b>									
Hanfield	12	0250EST			0	0	0		Thunderstorm Wind
									Power lines down
<b>Grant County</b>									
Marion	12	0300EST			0	0	0		Thunderstorm Wind
									Power lines down
<b>Grant County</b>									
5 SW Marion	12	0310EST			0	0	0		Thunderstorm Wind

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<b>INDIANA, Northeast</b>									
			Two trees down.						
Jay County Countywide	12	0315EST			0	0	0		Thunderstorm Wind
			Trees down across the county						
Allen County Woodburn	13	1724EST			0	0			Hail (1.75)
Allen County 3 NW Woodburn	13	1735EST			0	0			Hail (0.75)
Whitley County 3 SE South Whitley	19	1600EST			0	0			Hail (0.75)
Whitley County 5 NE South Whitley	19	1614EST			0	0			Hail (0.88)
Allen County 7 NW Ft Wayne	19	1640EST			0	0			Hail (0.75)
Kosciusko County Pierceton	19	1640EST			0	0			Hail (0.75)
Allen County 2 S Huntertown	19	1644EST			0	0			Hail (0.88)
Allen County 5 NNW Ft Wayne	19	1650EST			0	0			Hail (0.88)
Whitley County 5 S Columbia City	19	1650EST			0	1			Lightning
			12 year old girl struck by lightning. Treated and released from hospital.						
Allen County 7 N Ft Wayne	19	1654EST			0	0			Hail (1.00)
Whitley County Churubusco	19	1655EST			0	0			Hail (1.00)
Miami County Mexico	19	1659EST			0	0	2.5K		Thunderstorm Wind
			Numerous trees down. One house damaged.						
Allen County 5 NW Ft Wayne	19	1700EST			0	0			Hail (0.88)
Cass County Logansport	19	1700EST			0	0	0		Thunderstorm Wind
			Numerous trees down.						
Allen County 2 E Ft Wayne	19	1702EST			0	0			Hail (1.00)
Noble County 2 SE Wolflake	19	1714EST			0	0	0		Thunderstorm Wind
			Trees down on CR 250W.						
Whitley County 3 W Etna	19	1727EST			0	0	0		Thunderstorm Wind
			Trees down.						
Whitley County 5 N Larwill	19	1727EST			0	0	0		Thunderstorm Wind
			Trees down.						

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<b>INDIANA, Northeast</b>									
Allen County Ft Wayne	19	1730EST			0	0	0		Thunderstorm Wind
		Power lines down.							
Kosciusko County 2 N Pierceton	19	1742EST			0	0			Hail (0.75)
Noble County 2 NE Rome City	19	1744EST			0	0	0		Thunderstorm Wind
		Trees and power lines down.							
Whitley County Churubusco	19	1744EST			0	0			Hail (1.00)
Allen County Ft Wayne	19	1745EST			0	0			Hail (0.88)
Wabash County 2 N Disko	19	1745EST			0	0			Hail (1.75)
Noble County Rome City	19	1747EST			0	0	5K		Thunderstorm Wind
		Utility pole down on house.							
Noble County Rome City to 3 S Rome City	19	1755EST			0	0			Hail (1.75)
Whitley County 3 S Columbia City	19	1756EST			0	0	0		Thunderstorm Wind
		Trees down.							
Allen County Ft Wayne	19	1758EST			0	0			Hail (1.00)
Allen County 2 E Ft Wayne	19	1802EST			0	0			Hail (1.00)
Steuben County Crooked Lake	19	1810EST			0	0			Hail (0.75)
Steuben County Crooked Lake	19	1813EST			0	0	10K		Thunderstorm Wind
		Trees and power lines down. NIPSCO had some broken utility poles.							
De Kalb County Butler	19	1820EST			0	0			Hail (1.00)
Steuben County Crooked Lake	19	1833EST			0	0	0		Thunderstorm Wind
		Trees and power lines down.							
Kosciusko County 5 W North Webster	19	1842EST			0	0	0		Thunderstorm Wind
		Large tree blown down on Armstrong Rd.							
Noble County Kendallville	19	1900EST			0	0	13.5K		Lightning
		Lightning strikes caused fires at 2 homes.							
Lagrange County Ontario	19	1904EST			0	0			Hail (1.75)

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## MICHIGAN, Extreme Southwest

<b>Berrien County</b> <b>Three Oaks</b>	<b>11</b>	<b>0045EST</b> <b>1245EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Large tree limbs down						
<b>Berrien County</b> <b>3 S Sawyer</b>	<b>12</b>	<b>0027EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Large trees down between Sawyer and Three Oaks						
<b>Cass County</b> <b>Countywide</b>	<b>12</b>	<b>0030EST</b> <b>0100EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Large trees and and some wires down across the county.						
<b>Berrien County</b> <b>5 E Benton Center</b>	<b>12</b>	<b>0040EST</b>			<b>0</b>	<b>0</b>	<b>800K</b>		<b>Lightning</b>
			Lightning struck the Briarwood apartments in Benton township. 35 residents evacuated. Roof of building and two apartments destroyed, with some damage to other apartments.						
<b>Cass County</b> <b>Edwardsburg</b>	<b>12</b>	<b>0040EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>		<b>Thunderstorm Wind</b>
			Several trees uprooted and roof blown off barn.						
<b>Cass County</b> <b>Union</b>	<b>12</b>	<b>0100EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Large trees down.						
<b>St. Joseph County</b> <b>Countywide</b>	<b>12</b>	<b>0110EST</b> <b>0125EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Large trees down throughout the county with Three Rivers and Constantine hardest hit.						
<b>St. Joseph County</b> <b>Three Rivers</b>	<b>12</b>	<b>0110EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees down in Three Rivers						
<b>Branch County</b> <b>6 NW Coldwater</b>	<b>12</b>	<b>0117EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees down.						
<b>Branch County</b> <b>Countywide</b>	<b>12</b>	<b>0140EST</b> <b>0150EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Power lines and trees down at scattered locations throughout county.						
<b>Hillsdale County</b> <b>7 S Hillsdale</b>	<b>12</b>	<b>0150EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees down.						
			Synoptic and Mesoscale discussion						

At the surface, low pressure was nearly stationary over southeast Minnesota, with a quasi-stationary front extending southeast toward northern Indiana. Thunderstorms on the cool side of the boundary over MN in the afternoon developed into a large scale bow echo across Wisconsin in the evening, which continued southeast across the KIWX warning area between midnight and 4am. A weak low level veering wind profile under warm advection was present ahead of the bow echo. Evening soundings indicated cape of 2000-3800 j/kg. Bow was moving into progressively less unstable airmass and weaker warm advection which resulted in weakening trend as it moved over Northern Indiana, Southwest Michigan and Northwest Ohio. Despite the slow weakening trend low level base velocity on the KIWX 88-D continued to indicate areas of >64kt winds especially over northern and western parts of the warning area.

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<u><b>MICHIGAN, Extreme Southwest</b></u>									
<b>Hillsdale County</b>									
<b>Hillsdale</b>	<b>19</b>	<b>2015EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
	Two trees blown down and transformer knocked out.								
<u><b>OHIO, Northwest</b></u>									
<b>Defiance County</b>									
<b>Ney</b>	<b>12</b>	<b>0215EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
	One tree down.								
<b>Paulding County</b>									
<b>2 N Payne</b>	<b>12</b>	<b>0230EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
	Tree down								
<b>Defiance County</b>									
<b>Independence</b>	<b>12</b>	<b>0235EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>		<b>Thunderstorm Wind</b>
	Telephone pole snapped								
<b>Paulding County</b>									
<b>Payne</b>	<b>12</b>	<b>0235EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
	Tree down.								
<b>Henry County</b>									
<b>Holgate</b>	<b>12</b>	<b>0245EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
	Tree down.								
<b>Henry County</b>									
<b>Liberty Center</b>	<b>12</b>	<b>0245EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
	Tree down.								
<b>Van Wert County</b>									
<b>Converse to Convoy</b>	<b>12</b>	<b>0250EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
	Large branches down.								
<b>Putnam County</b>									
<b>Belmore</b>	<b>12</b>	<b>0310EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
	Trees down on power lines.								
<b>Putnam County</b>									
<b>Leipsic</b>	<b>12</b>	<b>0310EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
	Trees and power lines down.								
<b>Putnam County</b>									
<b>Pandora</b>	<b>12</b>	<b>0320EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
	Tree down.								
<b>Allen County</b>									
<b>1 SW Cairo</b>	<b>12</b>	<b>0340EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>		<b>Thunderstorm Wind</b>
	Telephone poles down.								
<b>Williams County</b>									
<b>5 S Bryan</b>	<b>19</b>	<b>1806EST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
<b>Williams County</b>									
<b>5 W Bryan</b>	<b>19</b>	<b>1828EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
<b>Fulton County</b>									
<b>Wauseon</b>	<b>19</b>	<b>1843EST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.88)</b>
<b>Fulton County</b>									
<b>Wauseon</b>	<b>19</b>	<b>1844EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.75)</b>

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					Killed	Injured	Property	Crops	

### OHIO, Northwest

<b>Fulton County</b>									
<b>2 E Wauseon</b>	<b>19</b>	<b>1845EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
<b>Fulton County</b>									
<b>1 SE Delta</b>	<b>19</b>	<b>1855EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
<b>Fulton County</b>									
<b>2 E Delta</b>	<b>19</b>	<b>1902EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>